

JULY 1976

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How to locate products of specific interest. Each item in the Source Guide is numbered to correspond with its product category listed below. Listings are grouped by category number and the groups are placed in numerical order. To find specific items by category, simply scan the listings until you reach items with the desired category number.

advertisers'
bimonthly
optical, electro-optical
opto-electronic, laser
and photographic

source guide

to new and significant
instrumentation, equipment
components, materials
and services

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SPIE SOURCE GUIDE is published every other month by the Society of Photo-Optical Instrumentation Engineers
P.O. Box 1146 Palos Verdes Estates, California 90274 USA Telephone 213/378-1216



1 CVI Model 270 Video Digitizer

270 Video Digitizer converts std. comp. video signals to digital data for computer processing & control; exactly locates picture elements; monitors encoding process for easy setup; has Z modulation output capability.

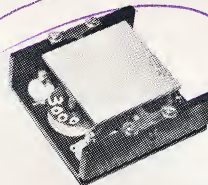
Colorado Video, Inc.
Box 928, Boulder, Colo. 80302
303/444-3972



1 M-40R Acousto-Optic Light Modulator

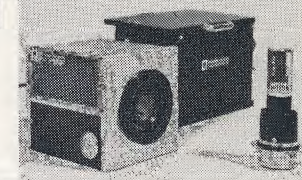
100% modulation at dc. 85% optical efficiency (typical). Broad wavelength—4,000 to 12,000 Å. Extended ranges available. Low power requirements. Use as light deflector. Solid state, compact, lightweight, low cost.

FJW Industries
215 E. Prospect Ave.
Mt. Prospect, Ill. 60056



1 Large Mirror Scanner Operates Down to 5Hz

Scanning applications requiring low frequency and/or large mirrors can be satisfied with taut band devices which cover ranges from 5—400 Hz, scan angles to 30° pp. For details on scanners & beam choppers to 16KHz: **Electron. Div., Bulova Watch Co.** 61-20 Woodside Avenue Woodside, New York 11377



2 Plug-In -50°C PMT/Vidicon

Carnot Cycle refrigerated chambers complete with Electrostatic/Magnetic shielding are less than \$1,000. PMT Cooler (TE-149) accepts 2" or smaller end-window tubes. Vidicon version (TE-150) for 1" or smaller tubes.

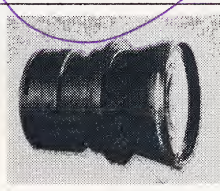
Products for Research, Inc.
78 Holten Street, Danvers, MA 01923 (617) 774-3250



3 New Comprehensive Rodenstock Catalog

Now available listing shelf products consisting of mounted lenses for all applications, loose optics, mirrors and prisms. Custom designed systems for medium to large production runs are a specialty.

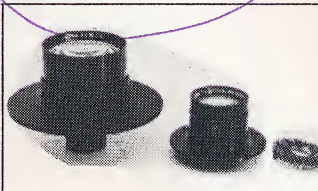
Rodenstock Precision Optics
5300 Golf Road
Skokie IL 60076 312/965-5354



3 High Performance CRT Lens Systems

Custom design and fabrication of high performance refractive lens systems, f/0.84 thru f/1.15. Spectral range .4 to .7 micron, color correction C-e Format, 3.150" square to 3.930" square. Image, 12" square to 72" square

Diffraction Optics
4035 Transport St.
Palo Alto, California 94303



3 Kowa Optical Systems and Components

Lenses: high speed, photo copy, finite conjugate, projection, phototypesetting, CCTV, CRT, cine — off-the-shelf or custom designed per your specs and schedule. Kowa is the leader in Japanese optics.

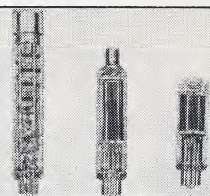
Kowa Optical Div./D.O. Indust.
480 Clinton Avenue South
Rochester, New York 14620



3 ZOOMAR Universal Tracking Combination

Dual range electromechanical switching device 10:1 zoom range: 3.5"—35", f/5.6, 10.5"—105", f/17. Versatile — can be fitted for use as zoom telescope, fitted to motion picture cameras, adapted to L.L.L. applications.

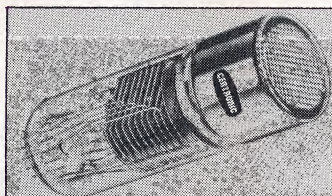
ZOOMAR, Inc.
Glen Cove, N.Y. 11542
(516) 676-1904



5 1 1/2" Diameter Photomultiplier Tube

HTV manufactures more than 15 types of end and side 1/2" window PMT's. Cathode includes CsSb, CsTe, and multialkali windows and fused silica, UV glass or borosilicate.

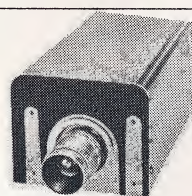
Hamamatsu Corporation
120 Wood Avenue
Middlesex, New Jersey 08846



5 High Performance Photomultiplier Tube

Photomultiplier tubes with low dark current and high Q. E. Send for catalog describing broad range of S-11, Bialkali, Trialkali (S-20, S-25) tubes or call us at (201) 845-7252 for applications help.

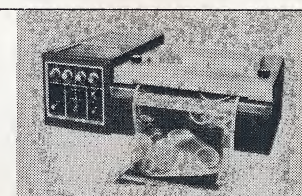
Bailey Instruments Inc.
515 Victor Street
Saddle Brook, N.J. 07662



6 Hi-Performance TV Cameras & Equipment

Hi-resolution 182-piece cameras slow scan & x-ray-sensitive units, ultra-hi-resolution Vidicons, SIT cameras & image-intensified combos for LLL work. 1 & 2 piece Minicons plus advanced rect-cornered Monitors.

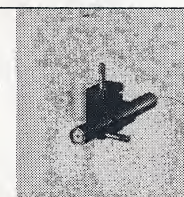
Sierra Scientific Corp.
2189 Leghorn Street
Mountain View, CA 94043



7 Instant Hard Copy Graphic Recorders

Record from scanning radio, optical, IR and sound sources or graphic soft displays and TV at the push of a button. Simple to interface. Uses Alfax Paper for 8-16 tone shades at a cost of 1¢/frame.

Alden Electronics Co., Inc.
Alden Research Center
Westboro, Mass. 01581



8 Accessories for the Laser/Optics Lab

Complete He-Ne laser from \$265. Laser mounts from \$50. NRC offers over 500 items for the laser/optics lab, incl vibration-isolated optical tables, mirror mounts, positioners, & optics. Send for free 1976 catalog.

Newport Research Corporation
18235 Mt. Baldy Cir., Fountain Valley, CA 92708 714/962-7701

HOLOGRAPHY INFORMATION

8 Holography Information Available

A market survey of holography through 1980 has been published as well as a compilation of important holographic patents held by Holotron. Both are free by contacting the Holotron Corporation.

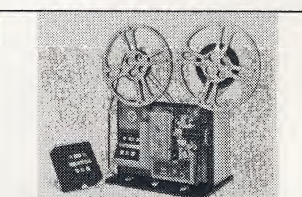
Holotron Corporation
1375 Perry Street
Columbus, Ohio 43201



10 Polaroid's Technical Assistance "Hot Line"

Instant answers to questions about instant photography and its applications. Information about Polaroid camera systems and instant films for science, business and industry. Call collect 617/547-5176.

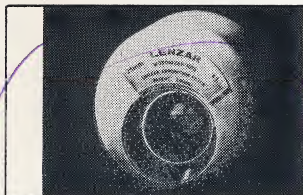
Polaroid Corporation
Cambridge
Mass. 02139



10 Television Film Chain Projectors

L-W offers complete film analyzing systems: 16mm data recording cameras; flickerless analytical projectors, silent & sound; film viewers/digitizers capable of interface to computer; & television film chain projectors.

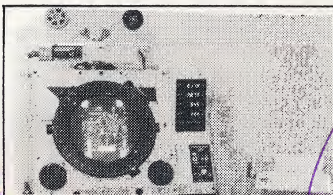
L-W International
6416 Variel Ave., Woodland Hills CA 91364 213/348-8614



10 L³ TV Fixed Focal Length Lenses

Motorized iris, self contained auto-iris controller, internal filters for SIT, ISIT, High speed, 6.5, 12.5, 25, 50, 75, 100, 150, 230& 300mm. Also 10X&6Xf1.8. High performance zooms. Nite*TelCat systems to 700mmf2.0& beyond.

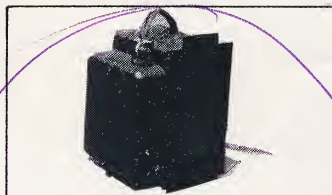
Lenzar Optics Corp.
210 Brant Rd. Lake Park,
Florida 33403-305/844-0263



10 Motion Analyzer Teletype Output

Motion analyzer w/self contained microprocessor controlled interface provides output to ASR 33 & Tek 31 programmable calculator. 16 preselectable output formats. Can upgrade existing motion analyzers.

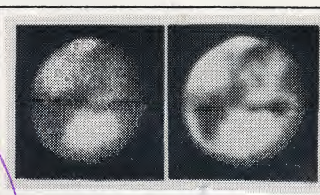
Vanguard Instrument Corp.
1860 Walt Whitman Rd., Melville, N.Y. 11746. 516/249-3031



10 70 MM Auto Advance Roll Film Magazine

Attaches to any 4x5 Graflex back. Lightweight, allows simple coupling to oscilloscope cameras optical test devices and portrait cameras. Features include accurate motorized framing advance, film cutter and I.D. slate.

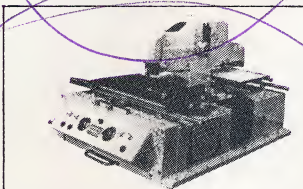
Flight Research
Box 1-F, Richmond
Virginia 23201 804/222-0163



10 Linear Radial Transmission Filter

Film graininess can be removed and detail greatly enhanced with the LRTF. Above left is a conventional print; at right one with LRTF enhancing. The LRTF is used with a conventional enlarger, just below the lens.

LRTF Photographic Enhancement 13 Burke Avenue
Newport News, VA 23601



11 Computer Controlled Microdensitometer

Joyce-Loebl Microdensitometer 3CS now with Computer Control and new Joyce-Loebl Wizard Software Package takes the work out of image analysis. Scan film or plates with density to 6D in X-Y with 1 micron resolution.

Marco Scientific, Inc.
Box 2699
Santa Clara, CA 95051

Optical Engineering SPIE SOURCE GUIDE DATA REQUEST

Gentlemen: I am interested in knowing more about your product(s) advertised in the _____ issue of the SPIE SOURCE GUIDE under Category _____

Product Name: _____

☐ Please contact me to discuss.

☐ Please rush information and data.

Name _____

Title: _____

Company _____

Phone: _____

Address _____

City _____

State/Zip _____

Technical
Publication

16 Medical IV - Applied Instrumentation - Vol. 70

Price: \$36 U.S., Canada \$38 Overseas. Potential improvement of diagnostic medical procedures, as well as other current topics, were chosen for in-depth exploration by physicians, engineers, and manufacturers. 50 papers, 432 pages.

SPIE
P.O. Box 1146
Palos Verdes Estates, CA 90274

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Company _____

Phone: _____

Address _____

City _____

State/Zip _____

**FOR FAST
RESPONSE
USE THIS
REPLY FORM**

**Cut out and
mail directly
to the vendor
at the address
in the listing**

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